

SYSTEM ANALYSIS SUMMARY SHEET

Attachment A

COSTS SUMMARY SHEET

Attachment (A)

Vendors: Complete and submit this page as the first page of your response.

Item Number	Description	Equipment Costs	Installation & Configuration	Cabling Costs	Other (provide details)
1	Board of Education Building Network Operation Center				
2	Alta Sita 26th & Bond Ave				
3	Attucks 2600 Kansas Avenue				
4	Brown 4901 Market Street				
5	Davis 725 N. 15th Street				
6	Dunbar 1900 Tudor Avenue				
7	Edgemont 8601 Washington Street				
8	Harding 731 N 74th Street				
9	Hawthorne 1600 N 40th Street				
10	Jackson 1798 Summit Avenue				
11	Jones 1601 Cleveland Avenue				
12	Lilly-Freeman 1300 Broadway Avenue				
13	Lucas 1620 Russell Avenue				
14	Mandela 1800 N. 25th Street				

SYSTEM ANALYSIS SUMMARY SHEET

Attachment A

Vendors are to answer the following questions – include additional sheets if necessary.

1. Cisco Equipment

Does the equipment in your proposal exactly
Match that shown in the specifications?

If not: describe exceptions

Have you attached a separate page showing the
Part number and unit cost of all Cisco equipment?

2. Installation

How many technicians will be devoted to this project?

3. Maintenance

Are you a certified repair center for each of the
items in your proposal?

Is Telephone Support Available 24 hrs/day?

If Not: Availability – Days/Hours

Response time – Major Malfunction

Response time – Minor Malfunction

From where will service be dispatched?

Where will spare parts be stored?

Include copy of maintenance agreement

VENDOR ANALYSIS SUMMARY SHEET
Attachment B

VENDOR ANALYSIS SUMMARY SHEET
Attachment B

Vendors are to answer the following questions – include additional sheets if necessary.

1. Vendor Background

Give an indication of your financial position as evidence of your ability to provide long term service and support. This may include income and balance sheet statements or others you prefer.

Manufacturer/Distributor Relationships?

Indicate below the scope of your experience with the equipment required on this RFP.

	No. of similar systems installed	No. of factory Trained tech.
1. Cisco 7206 Router		
2. Cisco 3640 Router		
3. Cisco WSC6509 Switch		
4. Cisco Pix 520 Firewall		
5. Cisco IPTV3410		
6. Cisco CE 550 Cache		
7. Cisco MCS 7830		
8. Cisco CAG AT8		
9. Cisco WSC4003S1		
10. Cisco WSC3524 XLEN		

2. References

Verify that you have provided multiple client references. Projects must be similar type and scope as the system proposed for the District. Give company name, telephone number, installation date and contact name for at least five references.

First Ref: Company Name:
 Installation Date:
 Contract Name/Title:
 Telephone Number:

Second Ref: Company Name:
 Installation Date:
 Contract Name/Title:
 Telephone Number:

Third Ref: Company Name:
 Installation Date:
 Contract Name/Title:
 Telephone Number:

Fourth Ref: Company Name:
 Installation Date:
 Contract Name/Title:
 Telephone Number:

Fifth Ref: Company Name:
 Installation Date:
 Contract Name/Title:
 Telephone Number:

VENDOR QUALIFICATION STATEMENT
Attachment C

VENDOR QUALIFICATION STATEMENT
Attachment C

The undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

1. Name, address, principal contact, telephone number, and fax number of Vendor's principal office:

2. Name, address, principal contact, telephone number, and fax number of Vendor's branch office(s), (if any) from which the project would be serviced:

3. Type of organization:

Corporation _____
Partnership _____
Individual _____
Joint Venture _____
Other _____

4. How many years has your organization been in business as a Vendor or Contractor related to convergence network systems?
5. How many years has your organization been in business under its present business name?
6. Under what other or former name has your organization operated?
7. If branch office would service the project, how many years has the branch office been established?
8. If your organization is a corporation, list the following:

Date of incorporation:

State of incorporation:

Names and titles of all corporation officers:

9. If the organization is a partnership, list the following:

Date of organization:

Type of partnership:

Names of general partners:

10. If your organization is individually owned, list the following:

Date of organization:

Name of owner:

11. If the form of your organization is other than those listed above, describe it and name the principals:

12. List the jurisdictions and trade categories in which your organization is licensed, registered, filed, or otherwise qualified to do business. Indicate applicable license or registration numbers.

13. List the categories of work that your organization normally performs with its own forces.

14. Provide evidence that your organization is an authorized distributor for all equipment being proposed.

15. Provide evidence that all technicians that will be working on this project have manufacturer certification for the activities they will be performing.

16. Relative to the proposed project, list the following:

The categories of work or parts of the project you would expect to perform with your own forces:

The categories of work or parts of the project you would expect to subcontract to other parties:

17. Has your organization ever failed to complete any work awarded to it? (If yes, please attach details.)

18. Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers: (If yes, please attach details)

19. Has your organization filed any lawsuits or requested arbitration with regard to convergence network project with in the last five years? (If yes, please attach details)

BUILDING AND CLASSROOM NUMBERS

Attachment D

School Building List

Attachment D

Schools	Number of Classrooms
Alta Sita 26th & Bond Ave	20
Attucks 2600 Kansas Avenue	10
Brown 4901 Market Street	11
Davis 725 N. 15th Street	24
Dunbar 1900 Tudor Avenue	24
Edgemont 8601 Washington Street	12
Harding 731 N 74th Street	19
Hawthorne 1600 N 40th Street	32
Jackson 1798 Summit Avenue	17
Jones 1601 Cleveland Avenue	12
Lilly-Freeman 1300 Broadway Avenue	20
Lucas 1620 Russell Avenue	12
Mandela 1800 N. 25th Street	19
Manners	20
Morrison 630 N. 59th Street	22
McHenry 2700 Summit Avenue	20
Neely 4400 Grand Avenue	13
Park Annex 25th & Ridge Avenue	10
Robinson 1435 Market Avenue	12
Wilson 4817 Hallows Avenue	19

Schools	Number of Classrooms
Clark Jr. High 3310 State Street	34
Landsdowne Jr. High 3939 Casey ville Avenue	34
Lincoln Jr. High 1211 Bond Avenue	45
East St. Louis Sr. High 4901 State Street	114
Early Childhood Center 10th & Ohio Avenue	10

**CISCO EQUIPMENT FOR CONVERGENCE
NETWORK**
Attachment E

Bill Of Materials For Voice, Video and Data Network

HUB ROUTER

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
CISCO7206VXR/300	Cisco Systems Inc.	CISCO7206VXR/300	Routers	1	
ACS-2500ASYN	Cisco Systems Inc.	ACS-2500ASYN	Cables	2	
C7200-I/O-FE-BUN(included)	Cisco Systems Inc.	C7200-I/O-FE-BUN	RouterPlugins	1	
CAB-AC	Cisco Systems Inc.	CAB-AC	Cables	1	
CAB-OCT-V35-MT	Cisco Systems Inc.	CAB-OCT-V35-MT	Cables	1	
MEM-I/O-D-FLC16M(included)	Cisco Systems Inc.	MEM-I/O-D-FLC16M	Memory	1	
MEM-SD-NPE-256MB	Cisco Systems Inc.	MEM-SD-NPE-256MB	Memory	1	
NPE-300-BUN(included)	Cisco Systems Inc.	NPE-300-BUN	RouterPlugins	1	
PA-8T-V35	Cisco Systems Inc.	PA-8T-V35	Router Piggybacks	1	
PA-T3	Cisco Systems Inc.	PA-T3	Router Piggybacks	1	
PWR-7200(included)	Cisco Systems Inc.	PWR-7200	PowerSupplies	1	
S72C-12.0.3T(included)	Cisco Systems Inc.	S72C-12.0.3T	CommDev-SIW	1	
					<u>Unit Price</u>
					<u>Quantity Price for 2</u>

MDF ROUTER

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
CISCO3640	Cisco Systems Inc.	CISCO3640	Routers	1	
CAB-AC(included)	Cisco Systems Inc.	CAB-AC	Cables	1	
MEM3600-8U32FS	Cisco Systems Inc.	MEM3600-8U32FS	Memory	1	
MEM3640-32U128D	Cisco Systems Inc.	MEM3640-32U128D	Memory	1	
NM-1FE-TX	Cisco Systems Inc.	NM-1FE-TX	RouterPlugins	1	
NM-4T	Cisco Systems Inc.	NM-4T	RouterPlugins	1	
NM-8T1-IMA	Cisco Systems Inc.	NM-8T1-IMA	RouterPlugins	1	
NM-HDV-1T1-24	Cisco Systems Inc.	NM-HDV-1T1-24	RouterPlugins	1	
S364AP-12.0.5T	Cisco Systems Inc.	S364AP-12.0.5T	CommDev-SIW	1	
					<u>Unit Price</u>
					<u>Quantity Price for 27</u>

MDF SWITCH

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
WS-C6509	Cisco Systems Inc.	WS-C6509	LanSwitch	1	
CAB-7513AC	Cisco Systems Inc.	CAB-7513AC	Cables	2	
MEM-MSFC-128MB	Cisco Systems Inc.	MEM-MSFC-128MB	Memory	1	
SC6MSFCC-12.0.3XE	Cisco Systems Inc.	SC6MSFCC-12.0.3XE	CommDev-SIW	1	
SFC6K-SUP-5.3.1	Cisco Systems Inc.	SFC6K-SUP-5.3.1	CommDev-SIW	1	
WS-CAC-1300W	Cisco Systems Inc.	WS-CAC-1300W	PowerSupplies	1	
WS-CAC-1300W/2	Cisco Systems Inc.	WS-CAC-1300W/2	PowerSupplies	1	
WS-G5484	Cisco Systems Inc.	WS-G5484	Piggybacks - Switches	10	
WS-X6248-RJ-45	Cisco Systems Inc.	WS-X6248-RJ-45	Switch Plugins	4	

WS-X6408-GBIC	Cisco Systems Inc.	WS-X6408-GBIC	Switch Plugins	2
WS-X6K-SUP1A-MSFC	Cisco Systems Inc.	WS-X6K-SUP1A-MSFC	Switch Plugins	2
				<u>Unit Price</u>
				<u>Quantity Price for 27</u>

Bill Of Materials For Voice, Video and Data Network - Page 2

PIX

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
PIX-520	Cisco Systems Inc.	PIX-520	Miscellaneous	1	
ACC-PIX500-4.4(included)	Cisco Systems Inc.	ACC-PIX500-4.4	Miscellaneous	1	
CAB-AC	Cisco Systems Inc.	CAB-AC	Cables	1	
PIX-4FE	Cisco Systems Inc.	PIX-4FE	Miscellaneous	1	
PIX-CONN-UR	Cisco Systems Inc.	PIX-CONN-UR	CommDev-SIW	1	
SF-PIX-4.4	Cisco Systems Inc.	SF-PIX-4.4	CommDev-SIW	1	

Unit Price

Quantity Price for 2

IP/TV

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
IPTV-3410-CTRL	Cisco Systems Inc.	IPTV-3410-CTRL	IP/TV Server	1	
IPTV-3420-BCAST	Cisco Systems Inc.	IPTV-3420-BCAST	IP/TV Broadcast Server	1	

Unit Price

Quantity Price for 4

IPTV-3430-ARCH	Cisco Systems Inc.	IPTV-3430-ARCH	IP/TV Archive Server	1	
----------------	--------------------	----------------	----------------------	---	--

Unit Price

Quantity Price for 26

MDF CACHE ENGINE

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
CE-550	Cisco Systems Inc.	CE-550	Miscellaneous	1	
CAB-AC	Cisco Systems Inc.	CAB-AC	Cables	1	
SF-CE500-2.0	Cisco Systems Inc.	SF-CE500-2.0	CommDev-SIW	1	

Unit Price

Quantity Price for 27

VOICE

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
MCS-7830	Cisco Systems Inc.	MCS-7830	Media Convergence Server	1	

Unit Price

Quantity Price for 27

CAG-AT8	Cisco Systems Inc.	CAG-AT8	Gateway	1	
				<u>Unit Price</u>	
				<u>Quantity Price for 27</u>	

DT-24+	Cisco Systems Inc.	DT-24+	Gateway	1	
				<u>Unit Price</u>	
				<u>Quantity Price for 4</u>	

Bill Of Materials For Voice, Video and Data Network - Page 3

IDF SWITCH

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
WS-C4003-S1	Cisco Systems Inc.	WS-C4003-S1	LanSwitch	1	
CAB-7KAC	Cisco Systems Inc.	CAB-7KAC	Cables	2	
SFC4K-SUP-5.1.1	Cisco Systems Inc.	SFC4K-SUP-5.1.1	CommDev-S1W	1	
WS-G5484	Cisco Systems Inc.	WS-G5484	Piggybacks - Switches	4	
WS-X4008(included)	Cisco Systems Inc.	WS-X4008	PowerSupplies	1	
WS-X4008/2	Cisco Systems Inc.	WS-X4008/2	PowerSupplies	1	
WS-X4012(included)	Cisco Systems Inc.	WS-X4012	Switch Plugins	1	
WS-X4232-GB-RJ	Cisco Systems Inc.	WS-X4232-GB-RJ	Switch Plugins	2	
					<u>Unit Price</u>
					<u>Quantity Price for 60</u>

CLASSROOM SWITCH

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
WS-C3524-XL-EN	Cisco Systems Inc.	WS-C3524-XL-EN	LanSwitch	1	
					<u>Unit Price</u>
					<u>Quantity Price for 500</u>

PHONES

<u>Item Name</u>	<u>Vendor</u>	<u>Catalog Number</u>	<u>Device Type</u>	<u>Qty</u>	<u>Price</u>
CP-BUNDLE-25-12SP+	Cisco Systems Inc.	CP-BUNDLE-25-12SP+	(25) 12 SP+ IP Phones	1	
					<u>Unit Price</u>
					<u>Quantity Price for 24</u>
CP-BUNDLE-25-30VIP	Cisco Systems Inc.	CP-BUNDLE-25-30VIP	(25) 30 VIP IP Phones	1	
					<u>Unit Price</u>
					<u>Quantity Price for 4</u>

SOFTWARE

<u>Item Name</u>	<u>Total Quantity</u>	<u>Price</u>
Cisco Works 2000	2	
HP OpenView	2	
IPTV Viewer - Software and Licensing for up to 400 computers		
IPTV Viewer - Software and Licensing for up to 800 computers		
IPTV Viewer - Software and Licensing for District - unlimited users/PC's		

CARRIER TRANSPORT

<u>Item Name</u>	<u>1yr contract price</u>	<u>2yr contract price</u>	<u>3yr contract price</u>
(2) DS3 into District Office			
Point to Point - 2, T1 Connections from District Office to Each School			

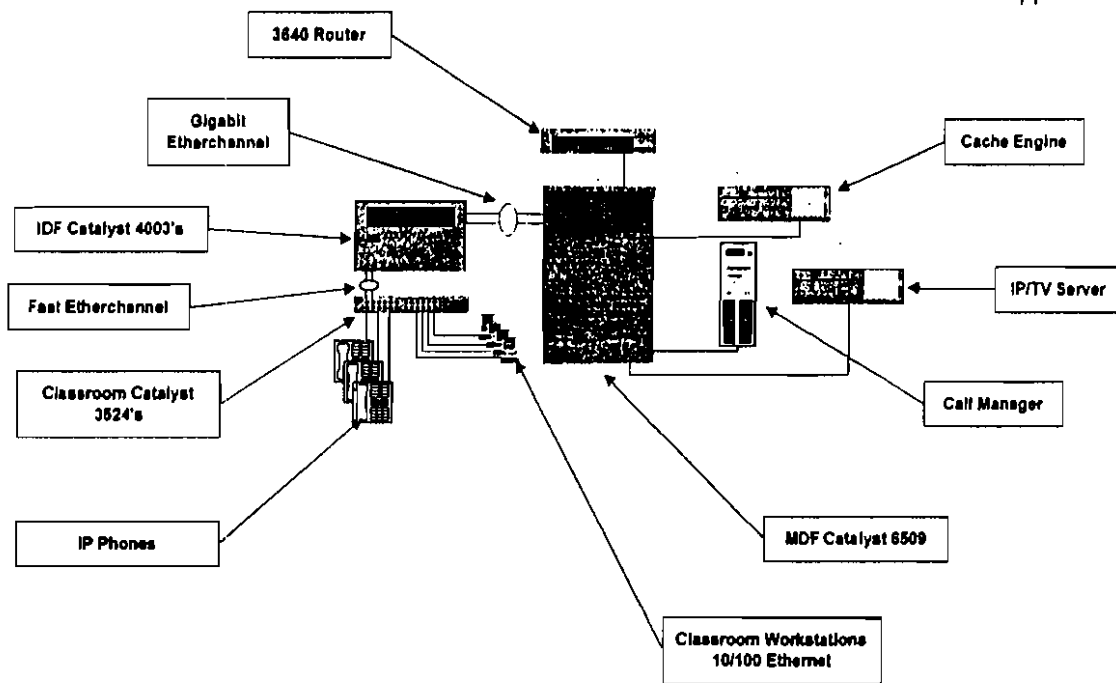
Frame Relay - 2, T1 Connection from District Office to Each School

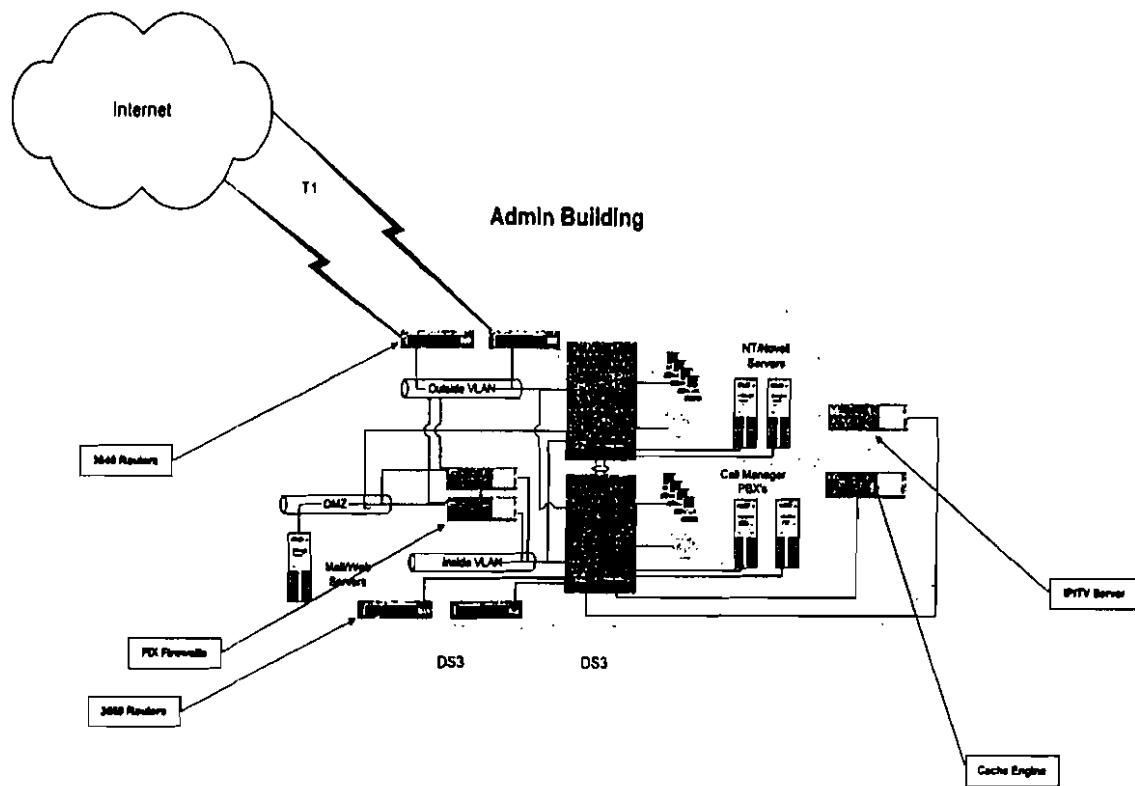
SMARTNET MAINTENANCE - All Cisco Equipment

<u><i>Item Name</i></u>	<u><i>Vendor</i></u>	<u><i>Catalog Number</i></u>	<u><i>Terms</i></u>	<u><i>Price</i></u>
CON-MYSNT-PKG(x)	Cisco Systems	CON-MYSNT-PKG(x)	3 year	
CON -OS-PKG(x)	Cisco Systems	CON -OS-PKG(x)	1 year	



T1





Specifications for Network Cabling Attachment F

PART 1 – PRODUCTS

A. SUMMARY

1. The System offered and quoted, will incorporate all features and facilities listed in this specification. The NETWORK CABLING SYSTEM (NCS) will consist of any or all of the following subsystems:
 - a. Horizontal Cabling Subsystem
 - b. Backbone Cabling Subsystem
 - c. Work Area Subsystem
 - d. Telecommunications Closet/BDF
 - e. Network Center/MDF
 - f. Building Entrance
2. The system will:
 - a. Support analog and digital voice applications and telephony signaling, data local area networks, and broadband/baseband analog and digital video on a common cabling platform.
 - b. Cover its capacity and functionality with minimum components.
 - c. Coordinate the features of materials and equipment so they form an integrated system.
 - d. Match components and interconnections for optimum future performance.
 - e. Be flexible and capable of including new facilities or technologies as they become required or available.
 - f. Provide an open, standards-based platform for future growth and adaptation.

B. MANUFACTURERS

1. Subject to compliance with requirements, provide products by the following:
 - a. Cable and Cords:
 - 1) Lucent Technologies or Equivalent
 - b. Faceplates, Patch Panels, Terminations, Terminals, and Connector Components:
 - 1) Lucent Technologies or Equivalent
 - c. Warranty:
 - 1) Five Years Labor and Material

d. Non-Metallic Surface Mount Raceway:

- 1) Panduit
- 2) Wiremold
- 3) Ortronics

PART 2 – SYSTEM SPECIFICATIONS

A. HORIZONTAL CABLING SUBSYSTEM

1. The Horizontal Cabling provides connections from the headend cross-connect or distribution equipment rooms to the information outlets (I/O) in the work areas. It consists of the horizontal transmission media and the associated connecting hardware terminating this media and I/O in the work area. All horizontal cabling will be installed in a home run, star topology.

2. GENERAL

- 1) Contractor will supply horizontal cables to connect each information outlet to the headend subsystem.
- 2) Unless otherwise noted on the floor plans or within this document, the type of horizontal cables used for each information outlet/building control device will be one (1) run of 4-pair unshielded twisted pair (UTP).
- 3) All horizontal cable used in the project will be plenum-rated.
- 4) Unless otherwise noted on the floor plans or within this document, all terminations for 24-AWG copper cable will be:
 - Modular 8-position/8-conductor
 - Insulation Displacement Connection (IDC)
 - TIA/EIA 568-B wiring
 - Universal application/multi-vendor supportive accepting most phone and data plugs.
 - Faceplates or enclosures will be supplied and installed. Color to be approved by the Owner.

3. HARDWARE SPECIFICATIONS

- 1) Category 5 UTP Cabling – Plenum-rated